

Multiplying Fractions

- You NEVER need a common denominator to multiply fractions.
- ~~Always~~ Reduce fractions before multiplying, if possible.
- Cross reduce fractions before multiplying, if possible.
- Multiply the numerators together for the numerator of the answer, and multiply the denominators together for the denominator of the answer.
- Reduce the answer, if possible.
- Change an improper fraction to a mixed number.

$$\text{Ex: } \frac{3}{4} \cdot \frac{5}{8} = \frac{15}{32}$$

$$\frac{\overset{3}{\cancel{6}}}{\underset{4}{\cancel{8}}} \cdot \frac{\overset{1}{\cancel{4}}}{7} = \frac{3}{7}$$

$$\frac{7}{\cancel{9}} \cdot \frac{\cancel{8}}{2} = \frac{7}{6} = 1\frac{1}{6}$$